

High resolution wavenumber standards for the infrared. (IUPAC Recommendations 1995)

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The calibration of high resolution infrared spectra is generally more precise than accurate even when they are recorded with Fourier interferometers. In order to improve the consistency of the spectral measurements, an IUPAC project has been undertaken. Its aim was to recommend a selection of spectral lines as wavenumber standards for absolute calibration in the infrared. This paper will report the final recommendations in the spectral range extending from about 4 to about 7000 cm⁻¹.

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